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APPARATUS AND METHOD FOR SOLID OXIDE FUEL CELL AND
THERMIONIC EMISSION BASED POWER GENERATION SYSTEM

5 ABSTRACT

A method and apparatus for providing a source of power, comprising: a solid oxide fuel cell system and a thermionic device. The solid oxide fuel cell system provides a first source of power, wherein the solid oxide fuel cell system produces heat waste when the solid oxide fuel cell is providing the first source of power. The thermionic device for provides a second source of power, the thermionic device provides the second source of power from the heat waste which is provided to said thermionic device and an exhaust conduit provides fluid communication between an exhaust of the fuel cell system and a heat exchanger of the thermionic device.

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